

EXHIBIT “A”

SPECIFICATIONS FOR TRANSPORTABLE RADIATION PORTAL MONITOR FOR LAKE COUNTY EMERGENCY MANAGEMENT AGENCY

1. New (current model) lightweight portable portal monitor capable of detecting personnel Beta/Gamma radiation contamination and meets requirements of FEMA-REP-21 “Contamination Monitoring Standard for a Portal Monitor Used for Radiological Emergency Response”.
2. Energy detection range shall be at least 60 keV to 2 MeV.
3. Sensitivity shall be detection of Beta/Gamma emissions from a 1.0 μCi ^{137}Cs source located at the portal monitor’s mid-frame location under ambient conditions.
4. Occupancy sensor shall automatically detect a person entering the counting area under ambient light conditions.
5. Walk-Through time shall be no more than 2 seconds.
6. Controller shall be easy to operate, automatically perform a diagnostic check, provide visual and audible indications of current status, and provide programmability of key parameters.
7. Operating power capability shall be 100 to 120 VAC, 60 Hz and have dry cell battery backup.
8. Operating temperature range shall be -20 °C (-4 °F) to 50 °C (122 °F).
9. Minimum inside portal dimensions shall be approximately 183 cm (72”) H and 81 cm (32”) W.
10. Weight outside of transport case shall be approximately 50 kg (110 lbs.).
11. Construction shall be rugged with capability to be operated in an outdoor environment.
12. Portal shall be easy to assemble within approximately 15 minutes.
13. Portal shall be supplied with hard-sided transport case with wheels.
14. Transport case empty weight shall be approximately 45 kg (100 lbs.).